

**Notice of Allowability**

Application No.

10/801,537

Examiner

Khanh Tran

Applicant(s)

QIN, CHUNLAN

Art Unit

2611

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on 07/16/2007.
2. ☒ The allowed claim(s) is/are 1-11 and 13-27, which have been renumbered as set forth in the Office action.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Khanh C. Tran*  
**KHANH C. TRAN**  
PRIMARY EXAMINER

*08/14/07*

1. The Amendment filed on 07/16/2007 has been entered. Claims 1-11 and 13-27 are pending in this Office action.

2. Claims 13-27 have been renumbered as claims 12-26, respectively.

### ***Response to Arguments***

3. Applicant's arguments, see Applicant's Remarks, filed on 07/16/2007, with respect to claims 1-2, 4, 6-8, 10-14 and 16 have been fully considered and are persuasive. The rejection of claims 1-2, 4, 6-8, 10-14 and 16 has been withdrawn.

4. Objection to the Drawings have been withdrawn after Applicant made all corrections.

5. Amendment to the Specifications has been reviewed and entered.

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance:

6. Regarding claim 1, claim is allowable over prior art of record after claim was amended to incorporate allowable features of claim 3 "counting a number of successive phase differences within an allowable detecting range and storing the number of

successive phase differences in a counter" and "providing a valid counting range according to an expected duration of the burst sequence" and "comparing the number in the counter with the valid counting range" and "locating the end of the burst sequence when the number in the counter is within the valid counting range".

7. Regarding claim 7, claim is allowable over prior art of record after claim was amended to incorporate allowable features of claim 9 "means for counting a number of successive phase differences within an allowable detecting range and storing the number of successive phase differences in a counter" "means for providing a valid counting range according to an expected duration of the burst sequence" and "means for comparing the number in the counter with the valid counting range" and "means for locating the end of the burst sequence when the number in the counter is within the valid counting range".

8. Regarding claim 11, claim is allowable over prior art of record after claim was amended to incorporate allowable features "estimating a burst frequency of the burst sequence by using a linear equation to calculate the burst frequency of the burst sequence from the upper threshold and the lower threshold once detecting the burst sequence, wherein the linear equation is set forth in the application claim".

9. Regarding claim 13, claim is allowable over prior art of record after claim was amended to incorporate allowable features of claim 15 "counting a number of

successive phase differences within an allowable detecting range and storing the number of successive phase differences in a counter" and "providing a valid counting range according to an expected duration of the burst sequence" and "comparing the number in the counter with the valid counting range" and "locating the end of the burst sequence when the number in the counter is within the valid counting range".

10. Regarding claim 18, claim is allowable over prior art of record after claim was amended to incorporate allowable features "estimating a burst frequency of the burst sequence by using a linear equation to calculate the burst frequency of the burst sequence from the upper threshold and the lower threshold once detecting the burst sequence, wherein the linear equation is set forth in the application claim".

11. Regarding claim 21, claim is allowable over prior art of record after claim was amended to incorporate allowable features "estimating a burst frequency of the burst sequence by using a linear equation to calculate the burst frequency of the burst sequence from the upper threshold and the lower threshold once detecting the burst sequence, wherein the linear equation is averaging set forth in the application claim".

12. Regarding claim 24, claim is allowable over prior art of record after claim was amended to incorporate allowable features "means for estimating a burst frequency of the burst sequence by using a linear equation to calculate the burst frequency of the burst sequence from the upper threshold and the lower threshold once detecting the

burst sequence, wherein the linear equation is averaging set forth in the application claim".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

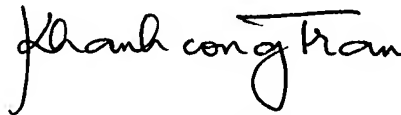
13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Tran whose telephone number is 571-272-3007. The examiner can normally be reached on Monday - Friday from 08:00 AM - 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KCT



KHANH C. TRAN  
PRIMARY EXAMINER

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